

# Specialty

## Tools & Accessories

### DLR165K

Digital Laser Rangefinder

***"The laser range finder is amazing."***

*Rob Yagid  
FineHomebuilding.com  
New and noteworthy  
staff picks from the 2007  
International Builders' Show*



## Section Guide

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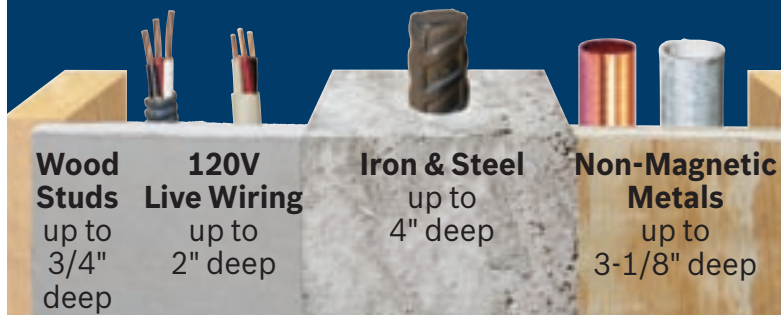


# BOSCH

## DMD4K Digital Multi-Detector Kit

### Your insight to what's inside.

- **Pinpoint** pipes, rebar, live wiring and studs.
- **Deep Metal Detection Capability**  
Distinguishes between ferrous (magnetic) and non-ferrous (non-magnetic) metals.



### **NEW!** DMD4K Digital Multi-Detector Kit



Carrying Case  
Included

#### Features

- Multi-Functional Detection of ferrous and non-ferrous metals (rebar, studs, and pipes), wood studs, and live 120V wiring
- Zoom Feature in Metal Mode - Enhanced precision in detecting small objects, locating centers of large objects, and distinguishing between close objects
- Deep Metal Detection Capability - Detects steel up to 4" deep, even in concrete
- Illuminated Ring around marking hole changes from green to red to indicate detection
- Informative LCD Display - Indicates mode, detection strength and more
- Autocalibration in Metal Mode- Metal scan can be started at any location
- On-Tool Marking Pencil Storage - Accepts standard pencil width
- Audible Detection Signal easily switches on and off
- Ergonomic Soft-Grip Area - For sure grip and comfort

#### Specifications

Maximum Detection Depths	
Steel	4"/100mm
Copper	3-1/8"/80mm
Copper wiring (Hot/Live)	2"/50mm
Wood Substructures (Studs)	3/4"/20mm
Tool Length	8"
Dimensions	8" x 3-1/4" x 1-3/16"
Tool Weight	8.5 oz.

#### Includes

9V Battery ..... Included  
Marking Pencils (2) ..... Included  
Case with Belt Loop ..... 1 609 203 U05

### DWM40L(K) Miterfinder™ Digital Protractor



**MITER FINDER**™

Carrying Bag and Leg Extension  
Included With DWM40LK

#### Features

- Versatile measuring tool, 4 tools in one - Anglefinder, Compound Cut Calculator, Protractor, Level
- Anglefinder - Determines the exact angles of jobsite or workpiece, eliminating guesswork
- Compound Cut Calculator - Automatically determines the exact miter and bevel settings necessary to make each crown molding cut fit precisely.
- Protractor - Precisely positions the workpiece or intended cut line at the desired angle
- Hold Function - To freeze measurements
- Digital readout displays on front and back - For easier use
- Level - Built-in vertical and horizontal spirit levels, accurate to 0 +/- 0.05°
- Rugged construction for durability

#### DWM40LK also features

- Leg Extension - For accurately measuring hard-to-reach angles
- Carrying Case - Hard thermoformed foam case protects Miterfinder™ and includes an internal pocket for storing Leg Extension

#### Specifications

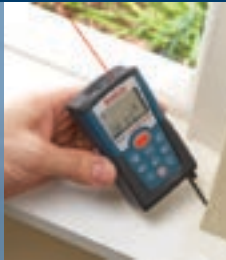
Battery Life	100 Hours
Power	4 AA 1.5V Batteries
Length (in.)	17"
Leg Length	16"
Electronic Accuracy	+/- 0.1°
Readout Accuracy	+/- 0.1°
Vial Accuracy	+/- 0.05°
Battery Life	100 Hours
Dimensions	17" x 1-3/8" x 2-3/8"
Measuring Range	0° to 220°
Weight (lbs.)	2.4

#### Includes

**DWM40LK:**  
DWM40L (Tool)  
Leg Extension ..... 2 607 001 312  
Carrying Case ..... 2 610 925 199  
**DWM40L:**  
DWM40L (Tool Only) ..... Included

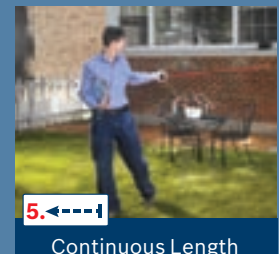
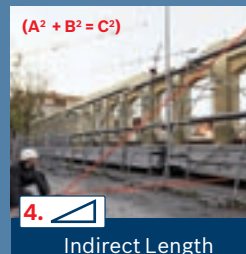
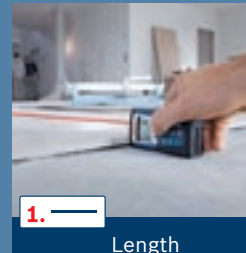
## DLR165K Digital Laser Rangefinder

Fast, easy and accurate measuring



- **Accurate to within 1/16"**
- **165' range**
- **Four Measuring Reference Points**  
Back, front, swing-out extension pin or tripod mount
- **Pocket-Sized** Only 4" tall

### 5-Way Laser Measuring Tool



### Specifications

Range	2" to 165 ft.
Measuring Accuracy, Typ.	+/- 1/16"
Measuring Time, Typ.	0.5 seconds
Measuring Time, Max.	4 seconds max.
Dimensions	4" x 2-15/16" x 1-1/4"
Battery Service Life	Approx. 30,000 Measurements
Laser	Class 2, 635 nm, < mW
Weight	6.35 oz.

### Includes

AAA Batteries (4)	Included
Handstrap	1 609 203 R97
Case with Belt Loop	1 609 203 U10



### Features

- Precision Laser Measuring Technology - Laser beam does both pointing and measuring
- 165-foot range
- Four Measuring Reference Points - Back, front, swing-out extension pin for measuring from inside corners or channels, or center of optional tripod
- Pocket-Sized Only 4" tall
- Three Measurement Systems - Feet and inches, decimal feet, and metric
- Length, Area and Volume Measuring Capability
- Continuous Measurement Mode - Measurement automatically adjusts when walking-off distances
- Continuous Laser Mode - Reduces the number of key strokes when making rapid sequence of measurements
- Indirect Length Measurement Mode - Calculates inaccessible distances that cannot be measured directly due to obstruction or lack of reflecting surface using Pythagorean theorem ( $a^2 + b^2 = c^2$ )
- Ergonomic Soft-Grip Area - For sure grip and comfort

### NEW! DLR165K Digital Laser Rangefinder Kit



Carrying Case Included

### Laser Accessories

#### DLA001 Laser View-Enhancing Glasses

- Enhances visibility of points and lines created by laser rangefinders and leveling tools



#### DLA002 Laser View-Enhancing Target

- Enhances visibility of points and lines created by laser rangefinders and leveling tools
- Highly reflective for added visibility
- Hole for mounting with nail, pin or wire-tie for attachment
- Magnetic pads on back for attachment to flat steel surfaces
- 6" x 6-11/16"



## 1575A

Foam Rubber  
Cutter



### Features

- Heavy-duty for fast, production cutting of all densities of foam rubber and flexible plastic foams
- Versatile - Will cut all types of carpeting
- Quick tool-free blade change
- Long, paddle-type switch and slim motor housing are easy to grip

### Specifications

Rating	120V AC
Amperage	3.2
Available Blade Lengths	3", 5", 8", or 12"
No Load Strokes/Min.	3,200
Length (in.)	9-3/4"
Weight (lbs.)	3.3

### Includes

Tool Body/Motor Unit Only - Order Blades, Guides & Footplate Separately.

## 1944LCDK

Programmable Heat Gun Kit



Carrying Case  
Included

### Features

- 4 Easily-Storeable Temperature and Airflow Combinations provide one-button access to the exact settings needed for key applications
- Liquid Crystal Display - For precise setting of temperature and airflow
- 109 temperature settings - Precision temperature control with setting every 10° from 120° - 1200° F
- 10 blower air volume settings - Precision airflow control from 3.6 to 17.6 CFM (cubic feet per minute)
- Cool air setting - Allows heating element to cool down
- Ergonomic soft grip handle - For comfort and control
- Integral stand - Allows stationary bench-top use

### Specifications

Rating	120 V-60 Hz
Amperage	13
Temperature Range	120 - 1200° F
Temperature Adjustment Steps	10° F
Temperature Precision	+/-10° F
Blower Air Volume	3.6 to 17.6 C.F.M
Length (in.)	9-7/8"
Tool Weight (lbs.)	2

### Includes

Carrying Case .....Included

This tool not available in Canada

## 1942

Heat Gun



### Features

- Powerful blower - Provides a high volume of air needed for industrial applications
- Air intake regulator - Adjusts the temperature to the requirements of the job
- Cool air setting - Allows heating element to cool down
- Integral adjustable stand - Allows stationary use with multi-position holder

### Specifications

Rating	120V AC
Amperage	14.3
Temperature Settings	750 - 1000°F (Max.)
Blower Air Volume	23 C.F.M.
Length (in.)	8"
Tool Weight (lbs.)	3.5

## Foam Cutter Accessories

Size	Blade Pair	Guide	Item #
3"	Blade Pair		2 607 018 013
3"		Guide	2 608 135 023
5"	Blade Pair		2 607 018 010
5"		Guide	2 608 135 020
8"	Blade Pair		2 607 018 011
8"		Guide	2 608 135 021
12"	Blade Pair		2 607 018 012
12"		Guide	2 608 135 022
Fits All Sizes	Footplate		2 608 000 908



Blade Pair



Guide



Footplate

## Heat Gun Accessories

### • Fits Item # 1944LCDK

Item #	Item Description
HG010	Heat Spreader
HG030	Deflector
HG040	Reflector
HG020	Heat Concentrator



Heat Spreader



Deflector



Reflector



Heat Concentrator

### • Fits Item # 1942

Item #	Item Description
3 609 390 500	Small Reflector
3 609 390 501	Large Reflector
3 609 390 502	Heat Concentrator
3 609 390 503	Heat Spreader



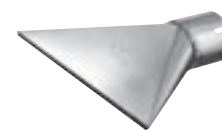
Small Reflector



Large Reflector



Heat Concentrator



Heat Spreader



# Dust Extraction & Accessories

## Specifications

Rating	120V
Max. Motor HP	6.5
Frequency	50-60 Hz
Canister Volume (gross)	13.3 gal. (50 ltr.)
Canister Volume (net)	11.35 gal. (45 ltr.)
Dust Bag Volume (net)	5.5 gal. (21 ltr.)
Air Flow	130 CFM (61 ltr./sec.)
Static Water Lift	100 in.
Vacuum Suction Pressure	248 millibars
Filter Cartridge Surface Area (Ea.)	4300 cm <sup>2</sup>
No. of Filter Cartridges	2
Total Filter Surface Area	8600 cm <sup>2</sup>
Sound Pressure Level	69 db
Weight (lbs.)	45.7 with handle
Cord Length (ft.)	25
Hose Length	9.85ft. (3 meters)
Hose Port Inside Diameter	2-1/4"

## Includes

35mm, 9.85 Ft. Locking Hose	VAC021
Filters (2)	VAC012
Dust Bag	VAC013

## Features

- 4 modes of operation for maximum vacuuming versatility: - Regular vacuum, Power Tool Activation, Pulse-Clean™, Pulse-Clean™ with Power Tool Activation
- Activation by power tool - Allows power tool's switch to turn vac on and off. 7-second run-on after power tool is turned off to clear hose of remaining debris.
- Power Broker™ Dial - For allocating power (15 amps on a 15 amp circuit, 20 amps on a 20 amp circuit) between vacuum cleaner and connected power tool to optimize usage of the available power and avoid blown circuits. Also allows suction control for other purposes.
- Bosch exclusive Pulse-Clean™ electromagnetic filter cleaning system - Shakes the dual filter cartridges to remove dust and maintain maximum suction power. Pulse-Clean™ can be activated manually, or automatically, when a connected power tool is switched off (a helpful remote control.)
- Elevated filter location - Filters sit above maximum dust or water accumulation height to help maintain maximum airflow and suction power
- Fine dust filtration capabilities - Captures 99.93% particles of 3.0 microns and larger in diameter
- Large rear wheels and front casters with rubber tires, plus push handle, for easy transportation.
- Carrying handle - For easier lifting
- 6.5 Max HP / 11.1-Amp motor with soft-start and bypass cooling - Powerful suction with features to protect motor and extend its life
- Wet vacuuming capability with water level sensor and drain valve - Automatically shuts down vacuum when water reaches a maximum height to protect motor
- Rugged construction / polypropylene tank - Durable and rust free
- Low center of gravity - For excellent stability
- Cord wrap - For convenient storage of cord
- Compact size - Fits in crowded storage vans and tight storage areas
- Agency approved

**NEW! 3931A**

Airsweep™ 13 Gallon Wet/Dry Vacuum Cleaner with Power Broker™



## Vacuum Hoses

### Airsweep™ Friction-Fit Vacuum Hoses

- Connect many Bosch power tools and dust extraction hood accessories to vacuum cleaners that have openings for standard 2-1/4" hoses
- Standard 2-1/4" friction fit

Item #	Description
VAC001	Lightweight, flexible 19mm, 15-ft. hose
VAC005	Swivel nozzle 35mm, 5-meter (16.4 ft.) hose



### Airsweep™ Locking Vacuum Hoses

- Connect many Bosch power tools and dust extraction hood accessories to Bosch 3931 and 3931A Vacuum Cleaners
- For use ONLY with Bosch 3931 and 3931A Vacuum Cleaners (Not compatible with other vacuum cleaners)
- Anti-static model hoses prevent static shock and cling



Item #	Description
VAC006	35mm 5-Meter (16.4 ft.) - swivels at both ends of hose
VAC007	Anti-static 35mm 3-meter (9.85 ft.) - swivels at tool end of hose
VAC008	Anti-static 35mm 5-meter (16.4 ft.) - swivels at tool end of hose
VAC009	Anti-static 19mm 3-meter (9.85 ft.) - swivels at tool end of hose
VAC010	Anti-static 19mm 5-meter (16.4 ft.) - swivels at tool end of hose

### Vacuum Hose Adapters

#### VAC002 Airsweep™ Vacuum Hose Adapter

- Connects 1-1/4" and 1-1/2" hoses to tools or attachments that have ports for 35mm hoses or 19mm hoses
- Fits inside 35mm ports on Bosch router, planer, grinder, and circular saw tools & accessories
- Fits over 19mm ports on Bosch sander, jigsaw, and hammer tools & accessories



#### VAC003 Airsweep™ Vacuum Hose Adapter

- Connects 35mm hoses to tools that have ports for 1-1/4" hoses



#### VAC004 Airsweep™ Vacuum Hose Adapter

- Connects 35mm hoses to tools that have ports for 2-1/2" hoses



#### VAC020 Airsweep™ Vacuum Hose Adapter

- Connects 2-1/2" hoses to tools that have ports for 35mm hoses



### Vacuum Attachments

#### VAC011 Airsweep™ 6-pc. Vacuum Wand and Nozzle Kit

- Fits 35mm hoses and most 1-1/2" vacuum hoses
- 2 Straight Wands, 1 Curved Wand, 1 Floor Nozzle Set with 3 Inserts (smooth floor, carpet & squeegee) - VAC016, 1 Crevice Tool - VAC017, 1 Brush - VAC018



#### VAC016 Airsweep™ 3-pc. Vacuum Floor Nozzle Set

- Fits 35mm wands, hoses, and most 1-1/2" wands and hoses
- 1 Smooth-floor Nozzle, 1 Carpet Nozzle, 1 Squeegee Insert



#### Airsweep™ Vacuum Attachments

- Fits 35mm wands, hoses and most 1-1/2" wands and hoses



Item #	Description
VAC015	Universal Vacuum Floor Nozzle - for carpet or smooth surfaces
VAC017	Vacuum Crevice Tool - for clean-up in tight spaces
VAC018	Vacuum Brush

#### VAC014 Airsweep™ Wire Attachment Basket

- Stores Bosch 3931 and 3931A Vacuum Cleaner attachments
- Fits on the rear of 3931 and 3931A Vacuum Cleaners



### Vacuum Filters & Bags

#### Airsweep™ Vacuum Filters

- Square filter geometry makes dust less likely to get trapped - High suction power is maintained
- Cartridge design makes filter installation extremely easy
- Filters stay in the vacuum cleaner even when wet vacuuming



Item #	Description
VAC012	Polyester Filter Cartridges (2 pack) - capture 99.93% of particles 3.0 microns or larger in diameter
VAC019	HEPA Filter Cartridges (2 pack) - capture 99.997% of particles 0.3 microns in diameter or larger

#### VAC013 Airsweep™ Vacuum Dust Bags (5 pack)

- Replacement dust bags for Bosch 3931 and 3931A Vacuum Cleaner
- For easier, cleaner disposal of vacuumed materials.
- Only for use when vacuuming dry materials
- Recommended for vacuuming fine particles like drywall dust, plaster, cement, soot.

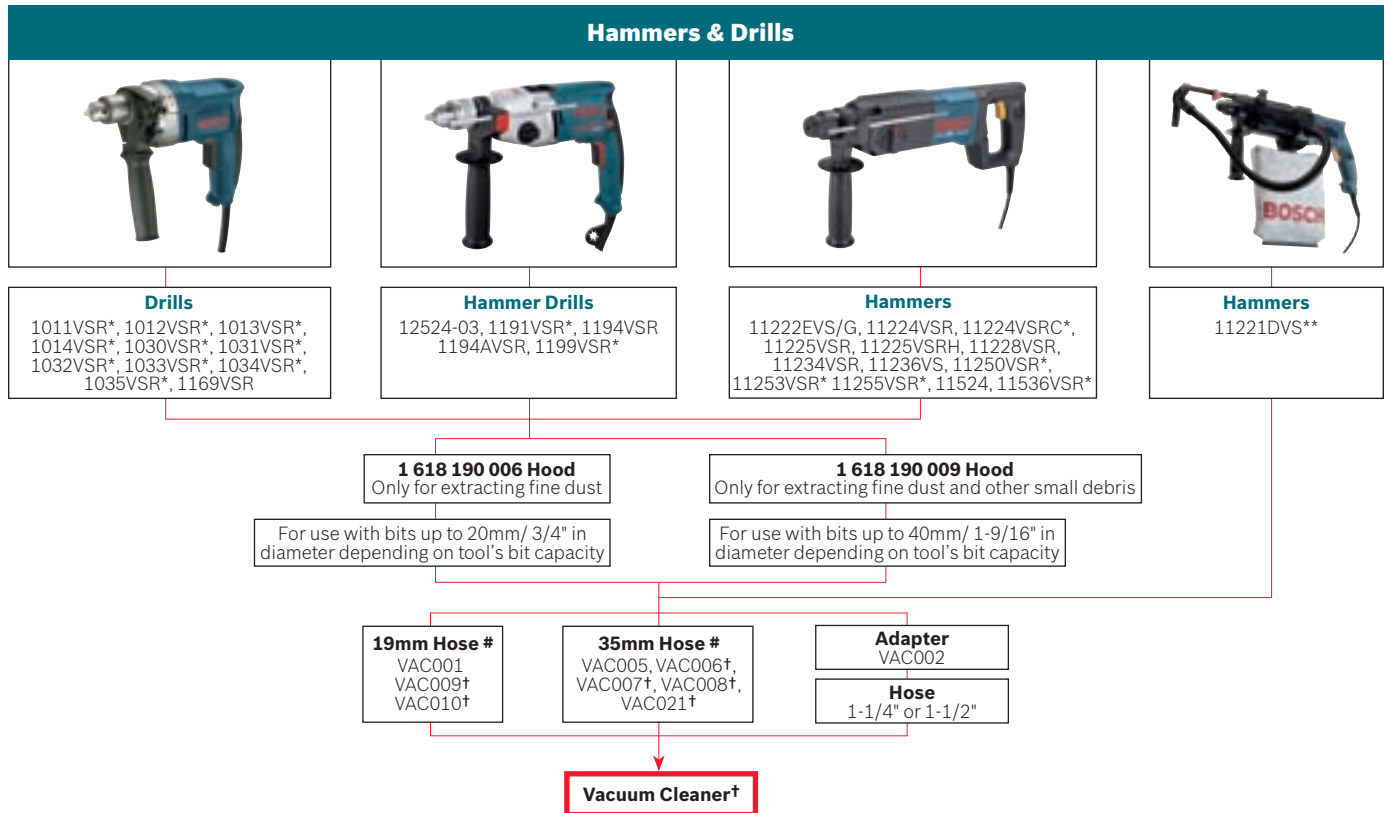


#### VAC022 Airsweep™ Heavy-Duty Bags for Dry or Wet Material (3 pack)

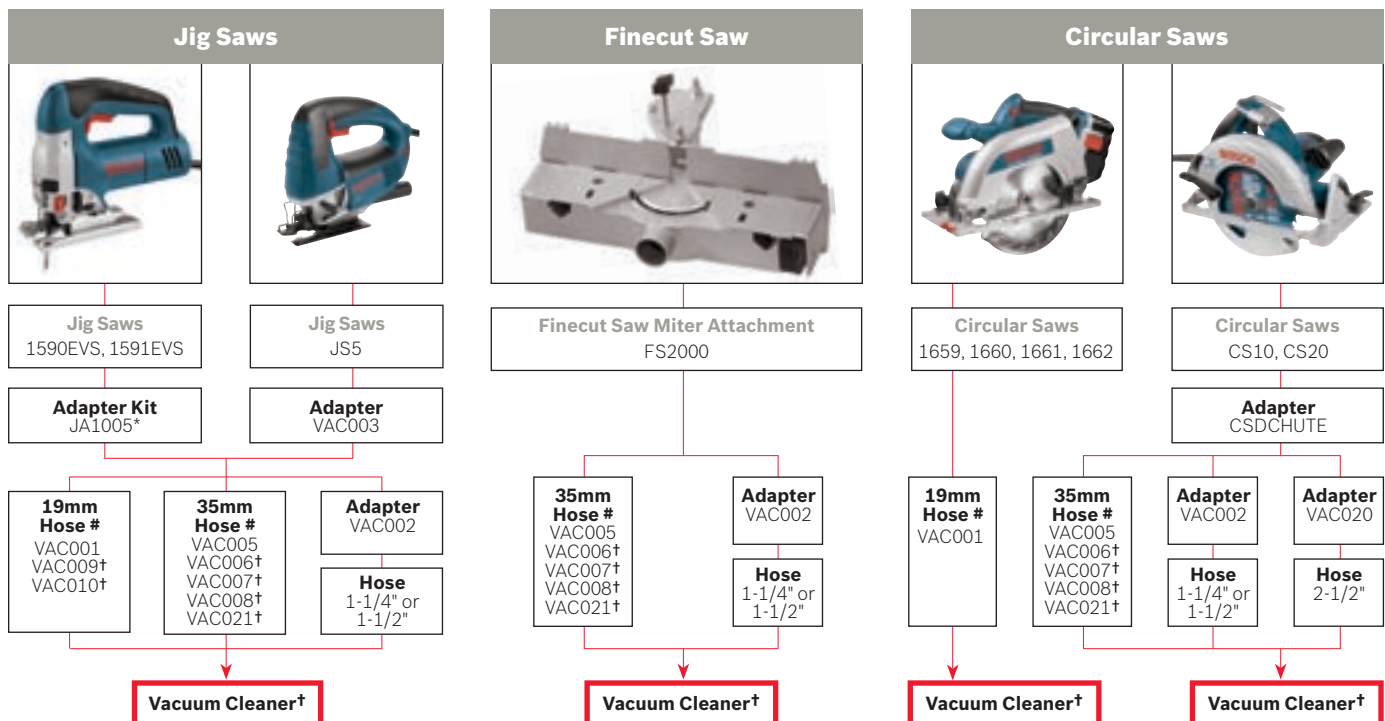
- Heavy-duty dust bags for Bosch 3931 and 3931A Vacuum Cleaner, for easier, cleaner disposal of wet or dry vacuumed materials.
- 2-layer, water-proof plastic fleece plus fine-pore cellulose filter paper
- Exceptionally tear-resistant
- Ideally suited for slurry-suction applications



# Dust Extraction Compatibility Charts

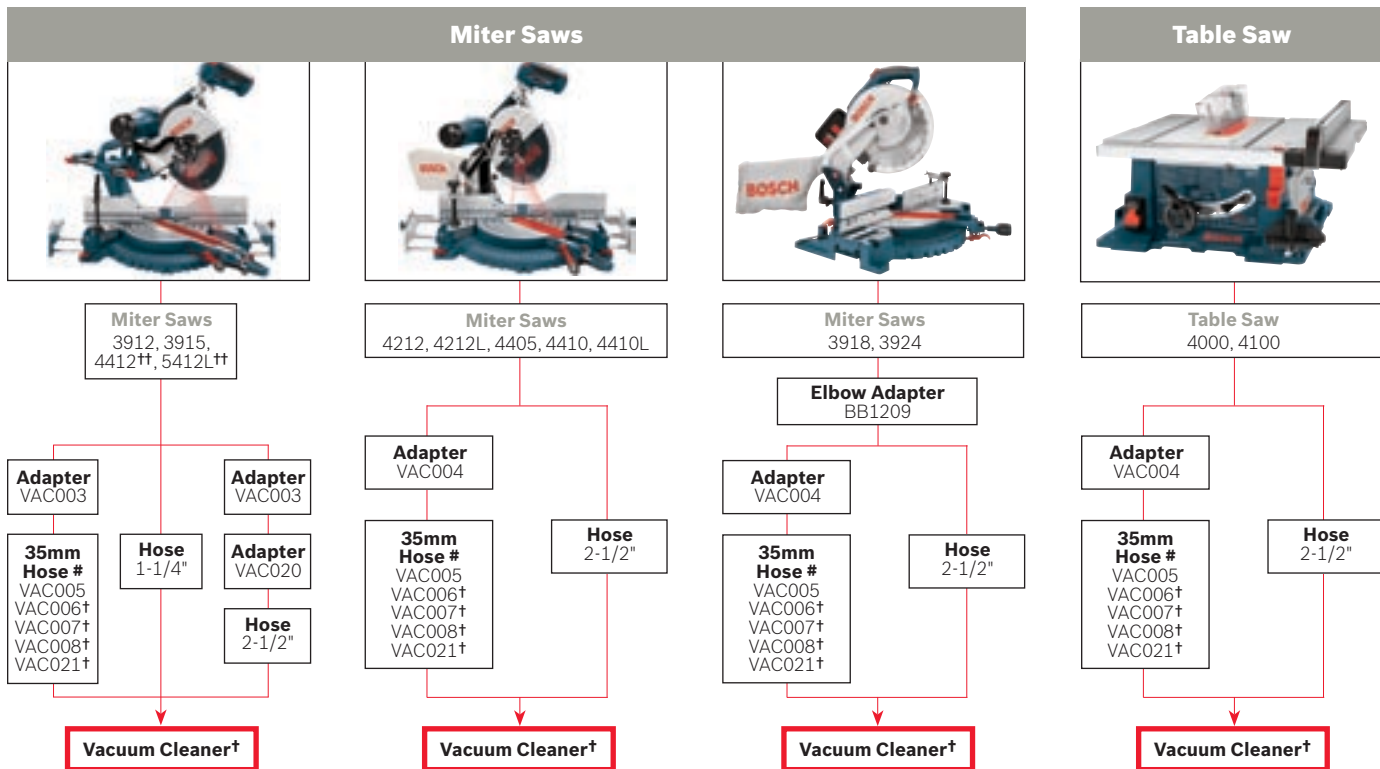


\*When used with a dust extraction hood, this tool requires auxiliary handle 1612025024, which is sold separately and is different from this tool's standard-equipment auxiliary handle.  
 \*\*11221DVS includes 1 618 190 006 hood.  
 †Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.

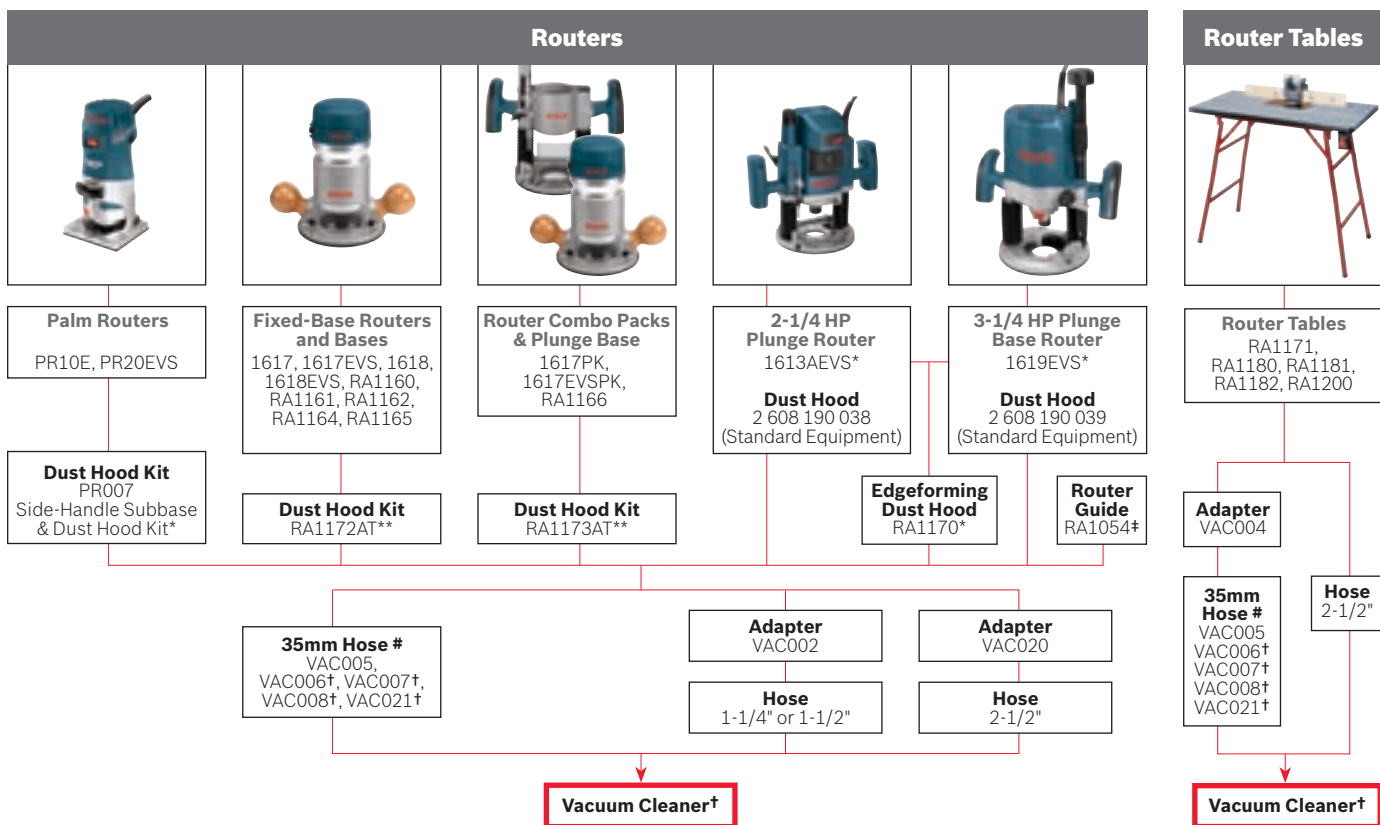


\*Kit includes VAC002 Adapter  
 †Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.





†Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.  
 ††4412 and 5412L can also be connected to a 2-1/2" hose using adapter 2 605 702 022.



†Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.

\*Includes VAC002 Adapter.

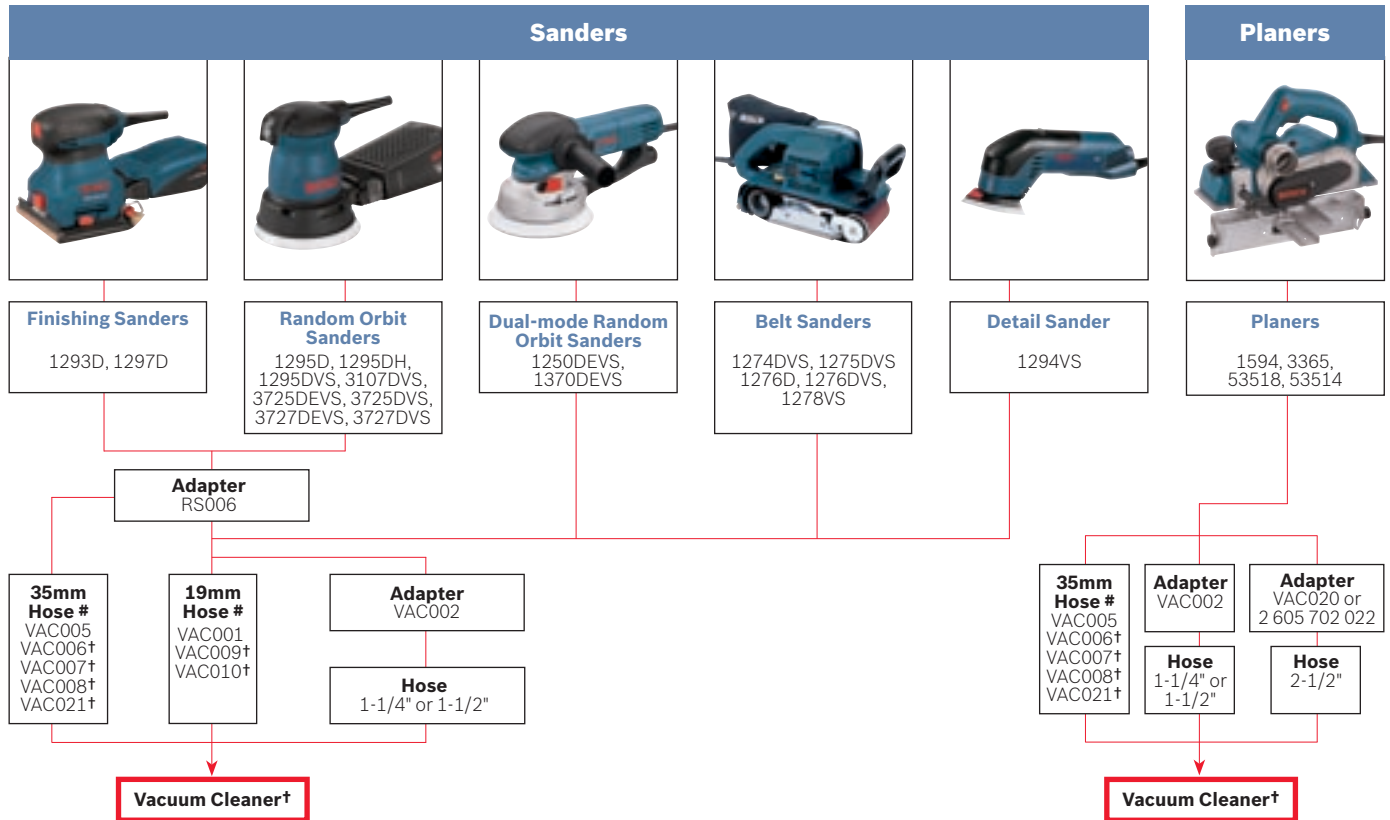
\*\*Includes VAC002 Adapter. The RA1170 Edge-Forming Dust Extraction Hood is also included in the RA1172AT and RA1173AT Kits and can be used with the RA1160, RA1161, RA1162 and RA1166 router bases.

†RA1054 Router guide can be used with any of these routers except the palm routers. Includes VAC002 Adapter.

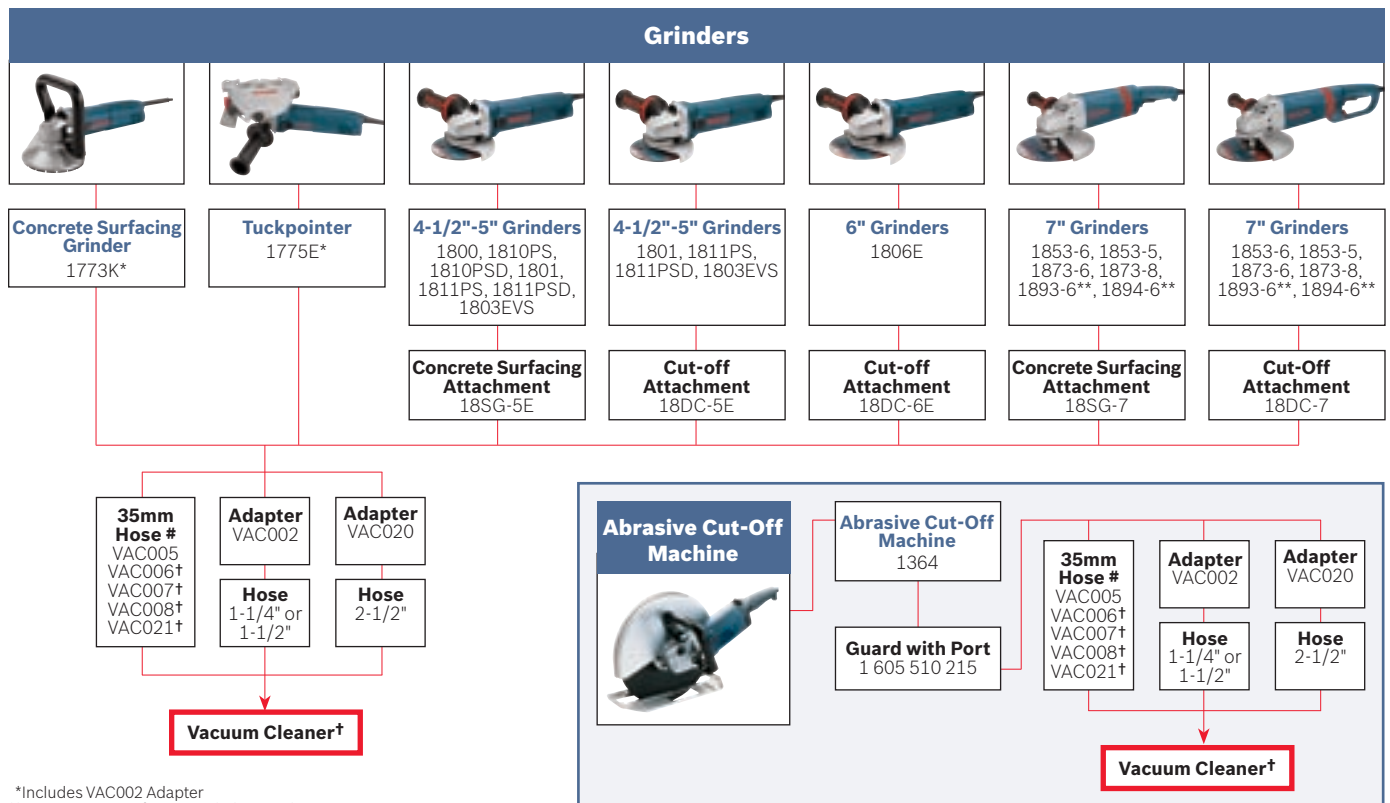




# Dust Extraction Compatibility Charts



†Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.



\*Includes VAC002 Adapter

\*\*Requires 7" Disc for use with the attachment

†Competitor vacuum cleaners' ports won't accept VAC006-VAC021 locking hoses. They are only for use with Bosch 3931A and 3931 vacs.



## Bosch Tap & Die

### Heat Treated Carbon Steel

High quality heat treated carbon steel ensures long life and clean, accurate threads.

### Rolled Threads

Rolled threads provide an accurate measurement versus machined threads.

### Black Oxide Coating

Chemical oxidation process applied to high carbon steel threading tools. The black oxide coating provides:

- Longer life for the tool by increasing corrosion resistance
- Less torque required for use due to higher lubricity
- More professional (high-tech) appearance

### Laser Etched Marking

Easy identification of tool size that does not wear off.



## Product Info - Tap Point Styles

### Taper

- 8-10 chamfered threads at the tip ideal for starting threads in tough materials
- Longest chamfer of all three types
- Commonly used in through holes and with materials where a guide is necessary
- Requires less torque because of more working teeth

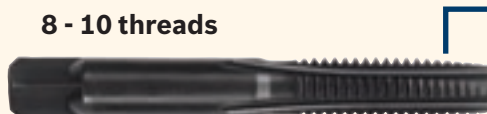
### Plug (most widely used)

- General purpose tap, with 3-5 chamfered threads
- Used when there is sufficient room on a blind hole & tapping to the bottom is not important

### Bottoming

- Used after the threads have been started
- 1-3 chamfered threads at the tip is just enough to start the hole and taps all the way to the bottom

### 8 - 10 threads



### 3 - 5 threads



### 1 - 2 threads



# Tap & Die Threading Tools

## Introduction

Bosch Threading Tools start with the highest quality carbon steel that is precision shaped, and then put through a chemical coating process giving them a distinctive black color. The Black Oxide coating means longer tool life, with maximum corrosion protection and maximum cutting performance over ordinary threading tools.

Bosch Threading Tools come in a wide range of fractional, metric, machine screw, and pipe sizes. All tools are laser-marked with tool size, starting side and corresponding drill size (where applicable) for a permanent and professional appearance.

## Black Oxide Plug Taps (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95397	4-40 NC Plug Tap Black Oxide	5	5	100	#43
95400	4-36 NS Plug Tap Black Oxide	5	5	100	#44
95403	5-40 NC Plug Tap Black Oxide	5	5	100	#38
95406	6-32 NC Plug Tap Black Oxide	5	5	100	#36
95409	8-32 NC Plug Tap Black Oxide	5	5	100	#29
95412	10-24 NC Plug Tap Black Oxide	5	5	100	#25
95415	10-32 NF Plug Tap Black Oxide	5	5	100	#21
95418	12-24 NC Plug Tap Black Oxide	5	5	100	#16
95421	14-20 NS Plug Tap Black Oxide	5	5	100	#10
95426	3/16-24 NS Plug Tap Black Oxide	5	5	100	#26
95429	3/16-32 NS Plug Tap Black Oxide	5	5	100	#22
95432	1/4-20 NC Plug Tap Black Oxide	5	5	100	#7
95435	1/4-28 NF Plug Tap Black Oxide	5	5	100	#3
95438	5/16-18 NC Plug Tap Black Oxide	5	5	100	Ltr. F
95441	5/16-24 NF Plug Tap Black Oxide	5	5	100	Ltr. I
95444	3/8-16 NC Plug Tap Black Oxide	5	5	100	5/16
95447	3/8-24 NF Plug Tap Black Oxide	5	5	100	Ltr. Q
95450	7/16-14 NC Plug Tap Black Oxide	5	5	100	Ltr. U
95453	7/16-20 NF Plug Tap Black Oxide	5	5	100	25/64
95456	1/2-13 NC Plug Tap Black Oxide	5	5	100	27/64
95459	1/2-20 NF Plug Tap Black Oxide	5	5	100	29/64
95462	9/16-12 NC Plug Tap Black Oxide	1	1	50	31/64
95465	9/16-18 NF Plug Tap Black Oxide	1	1	50	33/64
95468	5/8-11 NC Plug Tap Black Oxide	1	1	50	17/32
95469	5/8-18 NF Plug Tap Black Oxide	1	1	50	37/64
95471	3/4-10 NC Plug Tap Black Oxide	1	1	50	21/32
95474	3/4-16 NF Plug Tap Black Oxide	1	1	50	11/16
95477	7/8-9 Plug Tap Black Oxide	1	1	25	49/64
95480	7/8-14 Plug Tap Black Oxide	1	1	25	13/16
95483	1-8 Plug Tap Black Oxide	1	1	25	7/8
95486	1-12 Plug Tap Black Oxide	1	1	25	29/32
96303	3mm x .50 Plug Tap Black Oxide	5	5	100	#40
96304	3mm x .60 Plug Tap Black Oxide	5	5	100	#39
96305	4mm x .70 Plug Tap Black Oxide	5	5	100	1/8
96306	4mm x .75 Plug Tap Black Oxide	5	5	100	1/8
96307	5mm x .80 Plug Tap Black Oxide	5	5	100	11/64
96308	5mm x .90 Plug Tap Black Oxide	5	5	100	#20
96309	6mm x 1.00 Plug Tap Black Oxide	5	5	100	13/64
96310	7mm x 1.00 Plug Tap Black Oxide	5	5	100	15/64
96311	8mm x 1.25 Plug Tap Black Oxide	5	5	100	17/64
96312	9mm x 1.00 Plug Tap Black Oxide	5	5	100	5/16
96313	9mm x 1.25 Plug Tap Black Oxide	5	5	100	5/16
96314	10mm x 1.25 Plug Tap Black Oxide	5	5	100	11/32
96315	10mm x 1.50 Plug Tap Black Oxide	5	5	100	11/32
96316	11mm x 1.50 Plug Tap Black Oxide	5	5	100	3/8
96317	12mm x 1.50 Plug Tap Black Oxide	5	5	100	13/32
96318	12mm x 1.75 Plug Tap Black Oxide	5	5	100	27/64



## Black Oxide Taper Taps (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95399	4-40 NC Taper Tap Black Oxide	5	5	100	#43
95402	4-36 NS Taper Tap Black Oxide	5	5	100	#44
95408	6-32 NC Taper Tap Black Oxide	5	5	100	#36
95411	8-32 NC Taper Tap Black Oxide	5	5	100	#29
95414	10-24 NC Taper Tap Black Oxide	5	5	100	#25
95417	10-32 NF Taper Tap Black Oxide	5	5	100	#21
95420	12-24 NC Taper Tap Black Oxide	5	5	100	#16
95424	14-20 NS Taper Tap Black Oxide	5	5	100	#10
95428	3/16-24 NS Taper Tap Black Oxide	5	5	100	#26
95431	3/16-32 NS Taper Tap Black Oxide	5	5	100	#22
95434	1/4-20 NC Taper Tap Black Oxide	5	5	100	#7
95437	1/4-28 NF Taper Tap Black Oxide	5	5	100	#3
95440	5/16-18 NC Taper Tap Black Oxide	5	5	100	Ltr. F
95443	5/16-24 NF Taper Tap Black Oxide	5	5	100	Ltr. I
95446	3/8-16 NC Taper Tap Black Oxide	5	5	100	5/16
95449	3/8-24 NF Taper Tap Black Oxide	5	5	100	Ltr. Q
95452	7/16-14 NC Taper Tap Black Oxide	5	5	100	Ltr. U
95455	7/16-20 NF Taper Tap Black Oxide	5	5	100	25/64
95458	1/2-13 NC Taper Tap Black Oxide	5	5	100	27/64
95461	1/2-20 NF Taper Tap Black Oxide	5	5	100	29/64

## Black Oxide Bottoming Taps (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95398	4-40 NC Bottoming Tap Black Oxide	5	5	100	#43
95401	4-36 NS Bottoming Tap Black Oxide	5	5	100	#44
95407	6-32 NC Bottoming Tap Black Oxide	5	5	100	#36
95410	8-32 NC Bottoming Tap Black Oxide	5	5	100	#29
95413	10-24 NC Bottoming Tap Black Oxide	5	5	100	#25
95416	10-32 NF Bottoming Tap Black Oxide	5	5	100	#21
95419	12-24 NC Bottoming Tap Black Oxide	5	5	100	#16
95423	14-20 NS Bottoming Tap Black Oxide	5	5	100	#10
95427	3/16-24 NS Bottoming Tap Black Oxide	5	5	100	#26
95430	3/16-32 NS Bottoming Tap Black Oxide	5	5	100	#22
95433	1/4-20 NC Bottoming Tap Black Oxide	5	5	100	#7
95436	1/4-28 NF Bottoming Tap Black Oxide	5	5	100	#3
95439	5/16-18 NC Bottoming Tap Black Oxide	5	5	100	Ltr. F
95442	5/16-24 NF Bottoming Tap Black Oxide	5	5	100	Ltr. I
95445	3/8-16 NC Bottoming Tap Black Oxide	5	5	100	5/16
95448	3/8-24 NF Bottoming Tap Black Oxide	5	5	100	Ltr. Q
95451	7/16-14 NC Bottoming Tap Black Oxide	5	5	100	Ltr. U
95454	7/16-20 NF Bottoming Tap Black Oxide	5	5	100	25/64
95457	1/2-13 NC Bottoming Tap Black Oxide	5	5	100	27/64
95460	1/2-20 NF Bottoming Tap Black Oxide	5	5	100	29/64

## Black Oxide Pipe Taps (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95492	1/8-27 NPT Pipe Tap Black Oxide	5	5	100	Ltr. R
95495	1/4-18 NPT Pipe Tap Black Oxide	5	5	100	7/16
95498	3/8-18 NPT Pipe Tap Black Oxide	5	5	100	37/64
B44504	1/2-14 NPT Pipe Tap Black Oxide	1	1	20	45/64
B44505	3/4-14 NPT Pipe Tap Black Oxide	1	1	10	59/64
B44506	1-11 1/2 NPT Pipe Tap Black Oxide	1	1	24	1-5/32
B44507	1 1/4-11 1/2 NPT Pipe Tap Black Oxide	1	1	24	1-1/2
B44508	1 1/2-11 1/2 NPT Pipe Tap Black Oxide	1	1	10	1-47/64
B44509	2-11 1/2 NPT Pipe Tap Black Oxide	1	1	10	2-7/32
96319	1/8-28 BSP Metric Pipe Tap Black Oxide	5	5	100	Ltr. R

## Black Oxide Pipe Dies (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95739	1/8-27 Pipe Die Black Oxide	5	5	100	—
95738	1/4-18 Pipe Die Black Oxide	5	5	100	—
95740	1/4-18 1 7/16 Pipe Die Black Oxide	1	1	25	—
95722	3/8-18 1 7/8 Pipe Die Black Oxide	1	1	25	—
95735	1/2-14 1 7/8 Pipe Die Black Oxide	1	1	25	—
96336	1/8-28 Metric Pipe Die Black Oxide	5	5	100	—



# Tap & Die Threading Tools

## Black Oxide Hex Dies (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95680	4-40 Hex Die Black Oxide	5	5	100	—
95683	6-32 Hex Die Black Oxide	5	5	100	—
95686	8-32 Hex Die Black Oxide	5	5	100	—
95689	10-24 Hex Die Black Oxide	5	5	100	—
95692	10-32 Hex Die Black Oxide	5	5	100	—
95695	12-24 Hex Die Black Oxide	5	5	100	—
95698	14-20 Hex Die Black Oxide	5	5	100	—
95703	3/16-24 Hex Die Black Oxide	5	5	100	—
95706	3/16-32 Hex Die Black Oxide	5	5	100	—
95709	1/4-20 Hex Die Black Oxide	5	5	100	—
95712	1/4-28 Hex Die Black Oxide	5	5	100	—
95715	5/16-18 Hex Die Black Oxide	5	5	100	—
95718	5/16-24 Hex Die Black Oxide	5	5	100	—
95721	3/8-16 Hex Die Black Oxide	5	5	100	—
95724	3/8-24 Hex Die Black Oxide	5	5	100	—
95727	7/16-14 Hex Die Black Oxide	5	5	100	—
95730	7/16-20 Hex Die Black Oxide	5	5	100	—
95733	1/2-13 Hex Die Black Oxide	5	5	100	—
95736	1/2-20 Hex Die Black Oxide	5	5	100	—
95734	1/2-13 1 7/16 Hex Die Black Oxide	1	1	25	—
95737	1/2-20 1 7/16 Hex Die Black Oxide	1	1	25	—
B46022	9/16-12 1 7/16 Hex Die Black Oxide	1	1	100	—
B46023	9/16-18 1 7/16 Hex Die Black Oxide	1	1	100	—
B46024	5/8-11 1 7/16 Hex Die Black Oxide	1	1	100	—
B46025	5/8-18 1 7/16 Hex Die Black Oxide	1	1	100	—
B46026	3/4-10 1 7/16 Hex Die Black Oxide	1	1	100	—
B46027	3/4-16 1 7/16 Hex Die Black Oxide	1	1	100	—
B46028	7/8-9 1 13/16 Hex Die Black Oxide	1	1	100	—
B46029	7/8-14 1 13/16 Hex Die Black Oxide	1	1	100	—
B46030	1-8 1 13/16 Hex Die Black Oxide	1	1	100	—
95772	1-12 1-7/8 Hex Die Black Oxide	1	1	100	—
96320	3mm x .50 Hex Die Black Oxide	5	5	100	—
96321	3mm x .60 Hex Die Black Oxide	5	5	100	—
96322	4mm x .70 Hex Die Black Oxide	5	5	100	—
96323	4mm x .75 Hex Die Black Oxide	5	5	100	—
96324	5mm x .80 Hex Die Black Oxide	5	5	100	—
96325	5mm x .90 Hex Die Black Oxide	5	5	100	—
96326	6mm x 1.00 Hex Die Black Oxide	5	5	100	—
96327	7mm x 1.00 Hex Die Black Oxide	5	5	100	—
96328	8mm x 1.25 Hex Die Black Oxide	5	5	100	—
96329	9mm x 1.00 Hex Die Black Oxide	5	5	100	—
96330	9mm x 1.25 Hex Die Black Oxide	5	5	100	—
96331	10mm x 1.25 Hex Die Black Oxide	5	5	100	—
96332	10mm x 1.50 Hex Die Black Oxide	5	5	100	—
96333	11mm x 1.50 Hex Die Black Oxide	5	5	100	—
96334	12mm x 1.50 Hex Die Black Oxide	5	5	100	—
96335	12mm x 1.75 Hex Die Black Oxide	5	5	100	—

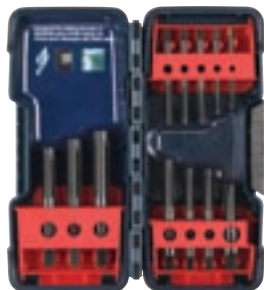
## Black Oxide Screw Extractors (bulk)



Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity	Corresponding Drill Size (if applicable)
95785	#1 Sp. Screw Extractor Black Ox	5	5	500	5/64
95788	#2 Sp. Screw Extractor Black Ox	5	5	500	7/64
95791	#3 Sp. Screw Extractor Black Ox	5	5	500	5/32
95794	#4 Sp. Screw Extractor Black Ox	5	5	500	1/4
95797	#5 Sp. Screw Extractor Black Ox	5	5	500	17/64
95800	#6 Sp. Screw Extractor Black Ox	1	1	50	13/32
95803	#7 Sp. Screw Extractor Black Ox	1	1	50	17/32
95806	#8 Sp. Screw Extractor Black Ox	1	1	20	13/16
95809	#9 Sp. Screw Extractor Black Ox	1	1	20	1-1/8
B46212	(#1-5) 5 pc. Sp. Screw Extractor Black Ox (Carded)	5	1	20	—
95786	#1 Str. Screw Extractor Black Ox	5	5	500	1/8
95789	#2 Str. Screw Extractor Black Ox	5	5	500	3/16
95792	#3 Str. Screw Extractor Black Ox	5	5	500	15/64
95795	#4 Str. Screw Extractor Black Ox	5	5	500	5/16
95798	#5 Str. Screw Extractor Black Ox	5	5	500	3/8
95801	#6 Str. Screw Extractor Black Ox	1	1	50	15/32
95804	#7 Str. Screw Extractor Black Ox	1	1	50	9/16
B44815	(#1-5) 5 pc. Str. Screw Extractor Black Ox (Carded)	5	1	20	—

## Packaging

**12pc. Tap Set  
Black Oxide**



**B44711**

**11pc. Tap & Drill  
Set Black Oxide**



**B44710**

**40pc. Tap & Die Set Black Oxide**



**B44717**



**12pc. Sp. Scr Ex/Drill  
Set Black Oxide**



**B46215**

**19pc. Tap & Die  
Set Black Oxide**



**B44712**

**58pc. Tap & Die Set Black Oxide**



**B44713**



### Black Oxide Tap & Die Case Sets

Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity
B46215	12pc Sp. Scr. Ex/Drill Set Black Ox	12	1	25
B44710	11pc Tap & Drill Set Black Oxide	11	1	10
B44711	12pc Tap Set Black Oxide	12	1	25
B44712	19pc. Tap & Die Set Black Oxide	19	1	5
B44714	19pc Met Tap & Die Set Black Ox	19	1	5
B44715	27pc Tap & Die Set Black Oxide	27	1	5
B44717	40pc Tap & Die Set Black Oxide	40	1	5
B44718	40pc Metric Tap & Die Black Oxide	40	1	5
B44713	58pc Tap & Die Set Black Oxide	58	1	1
B44716	77pc Tap & Die Set Black Oxide	58	1	1

### Black Oxide Tap & Die Accessories (Bulk)

Item #	Description	# Pieces/Pack	Order in Multiples of	Master Pack Quantity
95904	T-Hndl Tapwrench #0-1/4 Black Ox	5	5	100
95908	T-Hndl Tapwrench 1/4-1/2 Black Ox	5	5	5
95890	Tap & Reamer Wrench, 4 to 1/2"	5	5	5
95893	Tap & Reamer Wrench, 1/4-3/4"	5	5	5
B44719	Tap & Reamer Wrench, 1/2 - 1-1/8"	1	1	1
95895	Tap & Reamer Wrench, 0 to 1/2"	5	5	5
95930	Die Stock, Solid, 1"	5	5	5
95926	Die Stock, Adj., 1 Round or Hex	5	5	5
95934	Die Stock Adj., 1-7/16" Hex Dies	5	5	5
95951	Screw Pitch Gauge, US Thread, 10-40"	5	5	100
95952	Screw Pitch Gauge, Metric	5	5	100